



# Sarvepalli Radhakrishnan University, Bhopal

SCHEME OF EXAMINATION AS PER AICTE MODEL CURRICULAM W.E.F JULY-2020

Department of Electrical Engineering (EE)

First Semester-Master of Technology

Specilazation in Power Electronics & Drives Marks & Credits Distribution of Subjects

Sl. No.	Subject Code	Core/ Elective	Name of Subject	Theory Slot			Practical		Total Marks	Credits Alloted Subject wise			Total Credits
				END sem	MID Sem Test (Two Test Avg.)	Quiz & Assignments	END sem	Term Work		Lectures per week			
										L	T	P	
1	MTPE11	Core1	Electric Drives System	100	30	30			160	3	1	0	4
2	MTPE12	Core2	Modeling and Analysis of Electrical Machines	100	30	30			160	3	1	0	4
3	MTPE13	PE1	Elective-I	100	30	30			160	3	1	0	4
4	MTPE14	PE2	Elective-II	100	30	30			160	3	1	0	4
5	MTPE15	Core3	Research Methodology and IPR	100	30	30			160	3	1	0	4
6	MTPE16	Lab1	Electrical Drives Laboratory				50	50	100	0	0	4	2
7	MTPE17	Lab2	Electrical Machines Laboratory/Power Quality lab				50	50	100	0	0	4	2
8	MTPE18	Audit-I	Audit I							2			
<b>TOTAL</b>				<b>500</b>	<b>150</b>	<b>150</b>	<b>100</b>	<b>100</b>	<b>1000</b>	<b>17</b>	<b>5</b>	<b>8</b>	<b>24</b>
<b>GRAND TOTAL : 1000</b>							<b>L : Lecture</b>		<b>T: Tutorial</b>		<b>P : Practical</b>		
<b>NOTE: Mid Semester Tests (MST) Taken at Least twice Per Semester</b>													
<b>Elective-I</b>						<b>Elective-II</b>							
MTPE13 (A) Power Quality						MTPE14 (A) Static VAR Controllers and Harmonic Filtering							
MTPE13 (B) Advanced Power Electronic Circuits						MTPE14 (B) PWM converter and Applications							
MTPE13 (C) Dynamics of Electrical Machines						MTPE14 (C) Power Semiconductor Devices & Modeling							
<b>Audit I</b>													
MTPE18(A) English for Research Paper Writing, MTPE18(B) Disaster Management, MTPE18(C) Value Education													



# Sarvepalli Radhakrishnan University, Bhopal

SCHEME OF EXAMINATION AS PER AICTE MODEL CURRICULAM W.E.F JULY-2020

Department of Electrical Engineering (EE)

Second Semester-Master of Technology

**Specilazation in Power Electronics & Drives Marks & Credits Distribution of Subjects**

Sl. No.	Subject Code	Core/ Elective	Name of Subject	Theory Slot			Practical		Total Marks	Credits Alloted Subject wise			Total Credits
					MID Sem Test (Two Test Avg.)	Quiz & Assignments		Term Work		Lectures per week			
										L	T	P	
1	MTPE21	Core3	Power Electronic Converters	100	30	30			160	4	1	0	5
2	MTPE22	Core4	Digital Control of Power Electronic and Drive Systems	100	30	30			160	4	1	0	5
3	MTPE23	PE3	Elective-III	100	30	30			160	4	1	0	5
4	MTPE24	PE4	Elective-IV	100	30	30			160	4	1	0	5
5	MTPE25	Core5	Minior Project with Seminar				100	60	160	-	0	4	2
6	MTPE26	Lab3	Power Electronics Laboratory				50	50	100	0	0	2	1
7	MTPE27	Lab4	Micro-controller Lab				50	50	100	0	0	2	1
8	MTPE28	Audit II	Audit II							2	0	0	0
<b>TOTAL</b>				<b>400</b>	<b>120</b>	<b>120</b>	<b>200</b>	<b>160</b>	<b>1000</b>	<b>18</b>	<b>4</b>	<b>8</b>	<b>24</b>
<b>GRAND TOTAL : 1000</b>							<b>L : Lecture</b>		<b>T: Tutorial</b>		<b>P : Practical</b>		
<b>NOTE: Mid Semester Tests (MST) Taken at Least twice Per Semester</b>													
<b>Elective-III</b>				<b>Elective-IV</b>									
MTPE23 (A) Industrial Load Modeling and Control						MTPE24 (A) Smart Grids							
MTPE23 (B) Switched Mode and Resonant Converters						MTPE24 (B)Advanced Microcontroller based Systems							
MTPE23 (C) Advanced Digital Signal Processing						MTPE24 (C) Distributed Generation							
<b>Audit II</b>													
MTPE28(A) Constitution of India, MTPE28(B) Stress Management by Yoga, MTPE28(C) Pedagogy Studies													



# Sarvepalli Radhakrishnan University, Bhopal

SCHEME OF EXAMINATION AS PER AICTE MODEL CURRICULAM W.E.F JULY-2020

Department of Electrical Engineering (EE)

Third Semester-Master of Technology

Specilazation in Power Electronics & Drives

Marks & Credits Distribution of Subjects

	Subject Code	Core/ Elective	Name of Subject	Theory Slot			Practical Slot		Total Marks	Credits Alloted Subject wise			Credit	Total Credit
				END sem	MID Sem Test (Two Test Avg.)	Quiz & Assignments	END sem	Term Work		Lectures per week				
										L	T	P		
1	MTPE31	PE5	Elective-V	100	30	30	0	0	160	4	1	0	5	5
2	MTPE32	OE	Open Elective-VI	100	30	30	0	0	160	4	1	0	5	5
3	MTPE33	Major	Phase-I Dissertation				400	280	680	0	0	20	10	10
<b>TOTAL</b>				<b>200</b>	<b>60</b>	<b>60</b>	<b>400</b>	<b>280</b>	<b>1000</b>	<b>8</b>	<b>2</b>	<b>20</b>	<b>20</b>	<b>20</b>
<b>GRAND TOTAL : 1000 MARKS</b>							<b>L : Lecture</b>			<b>T: Tutorial</b>			<b>P : Practical</b>	
Elective-V				Open Elective-VI										
MTPE31 (A) SCADA Systems and Applications				MTPE32 (A) Industrial Safety										
MTPE 31(B) Facts and custom power devices				MTPE32 (B). Business Analytics, 2. Operations Research										
MTPE31 (C) HVDC				MTPE32 (C) Cost Management of Engineering Projects										



## Sarvepalli Radhakrishnan University, Bhopal

SCHEME OF EXAMINATION AS PER AICTE MODEL CURRICULAM W.E.F JULY-2020

**Department of Electrical Engineering (EE)**

**Fourth Semester-Master of Technology**

**Specilazation in Power Electronics & Drives**

**Marks & Credits Distribution of Subjects**

	Subject Code	Core/ Elective	Name of Subject	Theory Slot			Practical Slot		Total Marks	Credits Alloted Subject wise			Credit	Total Credit
				END sem	MID Sem Test (Two Test Avg.)	Quiz & Assignments	END sem	Term Work		Lectures per week				
										L	T	P		
1	MTPE41	Major Project	Phase-II Dissertation				500	500	1000			30	15	15
<b>TOTAL</b>							<b>500</b>	<b>500</b>	<b>1000</b>			<b>30</b>	<b>15</b>	<b>15</b>
<b>GRAND TOTAL : 1000 MARKS</b>							<b>L : Lecture</b>		<b>T: Tutorial</b>	<b>P : Practical</b>				